



**IN THE UNITED STATES PATENT & TRADEMARK OFFICE**

Re: Application of: **Eric LABARRIERE et al.**  
Serial No.: 10/584,165  
Filed: June 22, 2006  
Attorney Docket No.: 569.1019  
For: **TERMINAL END-PIECE FOR A FUEL ASSEMBLY  
HAVING AN ARRANGEMENT FOR MAINTAINING  
THE ENDS OF THE RODS AND CORRESPONDING  
ASSEMBLY**

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

April 27, 2009

**RESPONSE TO NOTIFICATION OF NON-COMPLIANT APPEAL BRIEF**

Sir:

In response to the Notification of Non-Compliant Appeal Brief dated April 15, 2009, please find an amended Claims Appendix A which includes an unmarked claim 24.

If it believed that no fees are due at this time. If any fees are deemed to be due at this time, the Assistant Commissioner is authorized to charge payment of the same to Deposit Account No. 50-0552.

Respectfully submitted,

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**AMENDED APPENDIX A:****PENDING CLAIMS 16 to 30 OF U.S.  
APPLICATION SERIAL NO. 10/584,165**

Claim 16 (previously presented): A terminal end-piece for a fuel assembly of a nuclear reactor, the assembly comprising fuel rods and a skeleton for supporting the fuel rods, the fuel rods extending in a longitudinal direction and being arranged at nodes of a substantially regular network, the support skeleton comprising two terminal end-pieces and elements for connecting the terminal end-pieces, the fuel rods being arranged longitudinally between the terminal end-pieces, comprising:

an arrangement for laterally maintaining adjacent longitudinal ends of substantially all the fuel rods, the arrangement configured at nodes of the substantially regular network, wherein the maintenance arrangement constitutes an arrangement for longitudinally securing the adjacent longitudinal ends of the fuel rods relative to the terminal end-piece, and wherein the end-piece comprises two components for longitudinally clamping the adjacent longitudinal ends of the fuel rods between the two components.

Claim 17 (previously presented): The end-piece according to claim 16, wherein the maintenance arrangement comprises housings for receiving the adjacent longitudinal ends of the fuel rods.

Claim 18 (previously presented): The end-piece according to claim 16, wherein one of the components constitutes an anti-debris filter.

Claim 19 (withdrawn): The end-piece according to claim 16, wherein the longitudinal securing arrangement comprises projections, to which rings of the adjacent longitudinal ends of the fuel rods are fitted.

Claim 20 (withdrawn): The end-piece according to claim 16, wherein the longitudinal securing arrangement comprises screws that are intended to be engaged in the adjacent longitudinal ends of the fuel rods.

Claim 21 (withdrawn): The end-piece according to claim 16, wherein the longitudinal securing arrangement are snap-fit connections.

Claim 22 (previously presented): The end-piece according to claim 16, wherein the end piece comprises a bottom end-piece and in that the adjacent longitudinal ends are the lower ends of the fuel rods.

Claim 23 (previously presented): The end-piece according to claim 22, wherein the end piece further comprises feet for support on a lower plate of the core of the nuclear reactor.

Claim 24 (currently amended): A fuel assembly for a nuclear reactor, the assembly comprising:

fuel rods; and

a skeleton for supporting the fuel rods, the fuel rods extending in a longitudinal direction and being arranged at nodes of a substantially regular network, the support skeleton comprising:

two terminal end-pieces; and

elements for connecting the terminal end-pieces, the fuel rods being arranged longitudinally between the terminal end-pieces, wherein at least one end-piece is an end-piece according to claim 16, in that the maintenance arrangement constitutes an arrangement for longitudinally securing the adjacent longitudinal ends of the fuel rods relative to the terminal end-piece, and wherein the end-piece comprises two components that longitudinally clamp between the components the adjacent longitudinal ends of the fuel rods.

Claim 25 (previously presented): The assembly according to claim 24, wherein the maintenance arrangement comprises housings that receive the adjacent longitudinal ends of the fuel rods.

Claim 26 (withdrawn): The assembly according to claim 24, wherein the longitudinal securing arrangement comprises projections provided on the end-piece and rings provided at the adjacent longitudinal ends of the fuel rods and that are fitted to the projections.

Claim 27 (withdrawn): The assembly according to claim 26, wherein the rings comprise relief portions for abutment against one of the components.

Claim 28 (previously presented): The assembly according to claim 24, wherein the adjacent longitudinal ends of the fuel rods comprise widened feet that are clamped between the two components.

Claim 29 (previously presented): The assembly according to claim 24, wherein the longitudinal securing arrangement comprises screws that abut the end-piece and that are engaged in the

adjacent longitudinal ends of the fuel rods.

Claim 30 (withdrawn): The assembly according to claim 24, wherein the longitudinal securing arrangement are configured to secure through a snap fit.